

# Rules for Playing “Industrial Symbiosis”

On each move follow this sequence.

1. **Purchase energy** as needed. Pay using the plastic chips.  
Black chips = \$1, Orange chips = \$5, Blue chips = \$10, Green chips = \$50
2. **Manufacture products**, if you have the resources and the energy needed.
3. **Sell products** by placing the resources in the appropriate envelope. Roll the number cube to find the selling price. Collect the money immediately. Take the appropriate by-products, waste, and pollution cards from the central pile and place them in your waste pile in front of you.
4. **Roll the number cube.** Move forward the number of spaces indicated. If you land on an “Earth’s Resource” or “Wild Card” space you must buy between one and five of one or more of the resources indicated. If you land on an “Event Card” space, take a card. Everyone in your group must follow the instructions on the card.
5. **Complete each column** on your sheet for the turn. (Note: the columns are in the same order as the sequence listed above).

**Recycling.** On the turn after you reach or pass the “Recycling” space, you may retrieve some of the resources from your product envelopes. The amount of resources that you can retrieve depends on the recycling rate, which is indicated on the product card. For example, if the recycling rate is 20% and you have five of a particular resource in an envelope, you may retrieve one of that resource from the envelope. If the number of a resource in the envelope isn’t exactly divisible by the recycling rate, round down. For example, if the recycling rate is 50% and you have five of a particular resource, then you may recycle two of the resource. The retrieval of recycled resources occurs at the beginning of a move.

**Trading.** When trading in Part B, players can negotiate their own prices for energy and resources. They may trade resources they have been purchased or recycled earlier in the game. However, trading by-products and energy that are produced when manufacturing a product must occur at the time of manufacture.

Earth’s Resources Transparency 21.1

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